

Examiner 3. Goff

AN 1976:94128 HCAPLUS
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TI High-strength and high-conductive electric conductor copper alloy
IN Ueyama, Norihiko; Yuzawa, Giichi; Hirano, Yasuaki
PA Furukawa Electric Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 2 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 50077216	A2	19750624	JP 1973-127008	19731112
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AB The Cu alloy contains 0.50-1.0 Sn and 0.10-0.50 Ag and is useful for high tension wire or conductors. Thus, a Cu alloy [58354-32-8] ingot contg. 0.8 Sn and 0.2% Ag was drawn to 10 mm diam. at 800-850.degree., heat treated 1 hr at 650.degree., and cold drawn to 1.0 mm. The properties were tensile strength .apprx.69 kg/mm2 and elec. cond. .apprx.59% IACS.

$$\frac{69 \text{ kg/mm}^2}{0.117 \text{ kg/mm}^2} = 589.7 \text{ MPa}$$